

**STATE OF NEW HAMPSHIRE**  
**SITE EVALUATION COMMITTEE**

**DOCKET NO. 2015-01**

**PREFILED DIRECT TESTIMONY OF STEPHEN J. HAIGHT, P. E.**

**June 26, 2015**

1 **Q. Please state your name and address.**

2 A. Stephen J. Haight, 15 Toftree Lane, Dover, NH 03820.

3 **Q. How are you employed?**

4 A. I work for Haight Engineering, PLLC, which I own.

5 **Q. What is your educational background and qualifications.**

6 A. I hold a hold a Bachelor of Science Degree and I am licensed by the State of New  
7 Hampshire as a professional engineer.

8 **Q Have you been retained by SEA-3, Inc.?**

9 A. Yes.

10 **Q. What were you retained to do?**

11 A. I was hired to prepare an application for site plan approval and related site plans for  
12 submittal to the Town of Newington Planning Board in connection with SEA-3's plan to increase  
13 its rail capacity. My job also included preparing and filing the necessary permit applications  
14 with the New Hampshire Department of Environmental Services to construct the proposed  
15 improvements.

16 **Q. I'm showing you a document that's been marked SJH Exhibit 1, can you identify**  
17 **this document?**

1 A. This is a copy of the SEA-3 site plan that I prepared, last revised on May 16, 2014,  
2 consisting of 8 sheets.

3 **Q. Was this site plan ultimately approved by the Newington Planning Board?**

4 A. Yes it was.

5 **Q. During the Town of Newington's site plan approval process did you attend a**  
6 **meeting of the Rockingham County Planning Commission's Developments of Regional**  
7 **Impact Committee?**

8 A. Yes.

9 **Q. I'm now showing you a document that's been marked SJH Exhibit 2, can you**  
10 **identify this document?**

11 A. It's a letter from the Rockingham Planning Commission's Developments of Regional  
12 Impact Committee to the Town of Newington dated January 10, 2014, offering comments on  
13 SEA-3's application for site plan approval.

14 **Q. Does this letter reference the meeting that you attended?**

15 A. Yes.

16 **Q. Does this letter make any recommendations as to SEA-3's site?**

17 A. Yes.

18 **Q. What does it recommend?**

19 A. The Committee's letter first makes several recommendations having to do with rail  
20 traffic and then it makes a recommendation that the Town of Newington engage in post-  
21 development approval inspections of the site as a means to insure that the site improvements  
22 were constructed in accordance with NFPA 58.

23 **Q. What does SEA-3's proposed expansion consist of?**

1 A. The expansion will upgrade the existing railroad siding, install a new siding with five  
2 new discharge pads to accommodate up to ten additional rail cars, install three 90,000 gallon  
3 above-ground storage tanks, compressors, pumps, drying towers, a mechanical building to house  
4 the refrigeration equipment and associated condensers and piping. These improvements will  
5 allow SEA-3 to increase the amount of propane that it can offload from rail cars and store in the  
6 refrigerated existing tanks on site.

7 **Q. Where on SEA-3's facility will these improvements be located?**

8 A. Almost all of the improvements will be located on SEA-3's Lot 14/2, which is to the east  
9 of the rail line, closest to the river. The only improvement located on the other lot will be the  
10 pipeline leading to the refrigerated storage tanks. The new rail siding and discharge pads will be  
11 installed on property of Pan Am Railways that SEA-3 will lease. This will be a narrow strip of  
12 land alongside the existing rail line, directly between SEA-3's two lots.

13 **Q. Who determined the location and layout of the proposed improvement as shown on**  
14 **the Site Plan?**

15 A. This was determined by SEA-3 in coordination with Haight Engineering, PLLC and was  
16 modified as suggested by the Town of Newington's reviewing engineers.

17 **Q. How would you describe the existing areas where these proposed improvements will**  
18 **be located?**

19 A. The area is a relatively flat, gravel-surfaced industrial area surrounded by a chain link  
20 security fence.

21 **Q. Is there anything located in this area now?**

1 A. Yes. There is the existing railroad siding with three discharge pads, each offloading two  
2 railcars, LP Gas offloading equipment, an LP flare, a number of fire suppression nozzles and a  
3 small wooden equipment shed.

4 **Q. Will SEA-3 be making any changes to the existing storm drainage system?**

5 A. Yes. The existing drainage catch basin at the southeast corner of the fenced in area will  
6 be replaced with a deep sump catch basin and the existing drainage swale leaving the fenced in  
7 area will be reconstructed.

8 **Q. Will there be any other changes to the site?**

9 A. Yes. There will be a six foot high earthen berm constructed on the southerly side of the  
10 parcel within the fenced area.

11 **Q. Will any of the improvements take place off the site?**

12 A. Yes. As mentioned the new rail siding and five new discharge pads, accommodating ten  
13 rail cars, with associated piping will be installed on Pan Am Railways' property, adjacent to the  
14 existing rail line.

15 **Q. Will the proposed improvements result in any adverse change to existing dust,  
16 erosion or run-off conditions?**

17 A. No.

18 **Q. Did these proposed changes necessitate having to obtain any permits or approvals  
19 from the New Hampshire Department of Environmental Services?**

20 A. Yes. The project required an Alteration of Terrain Permit and a Shoreland Impact Permit  
21 from the New Hampshire DES.

22 **Q. Have these been obtained?**

1 A. Yes. NHDES Alteration of Terrain Permit Number AoT-0695 was obtained on March  
2 21, 2014, and Shoreland Impact Permit No. 2014-00105 was obtained on January 22, 2014.

3 **Q. I am showing you what's been marked as Exhibit SJH 3, can you identify what it**  
4 **contains?**

5 A. Yes, it contains copies of the Alteration of Terrain Permit No. AoT-0695 and Shoreland  
6 Impact Permit No. 2014-00105.

7 **Q. Did you have any communications with the New Hampshire Department of**  
8 **Environmental Services' Air Resources Division regarding the timing for obtaining an**  
9 **updated Permit to Operate?**

10 A. Yes, I had a phone call with the Department to discuss the planned improvements.

11 **Q. What were you told?**

12 A. I was told that SEA-3 currently has a Permit to Operate Identification Number  
13 3301500002, which includes the two refrigerated storage tanks, the flare, and an emergency  
14 generator. I was told that SEA-3 will need to update its current permit to operate when the  
15 construction is completed. At that time, SEA-3 will need to file a formal written request to  
16 update its Permit to Operate with Sheila Rydel of the Air Resources Division.

Exhibit List

- |                      |   |  |
|----------------------|---|--|
| <b>SJH Exhibit 1</b> | - | SEA-3 Site Plan  |
| <b>SJH Exhibit 2</b> | - | Rockingham Planning Commission Letter dated January 10, 2014 |
| <b>SJH Exhibit 3</b> | - | Copies of NHDES AoT and Shoreland Impact Permits             |